

**METHOD AND APPARATUS FOR REAL-TIME CONTROL****Patent number:** CA2057039**Publication date:** 1990-12-01**Inventor:** CARRETTE GEORGE J (US); CLANCY JAMES E (US);  
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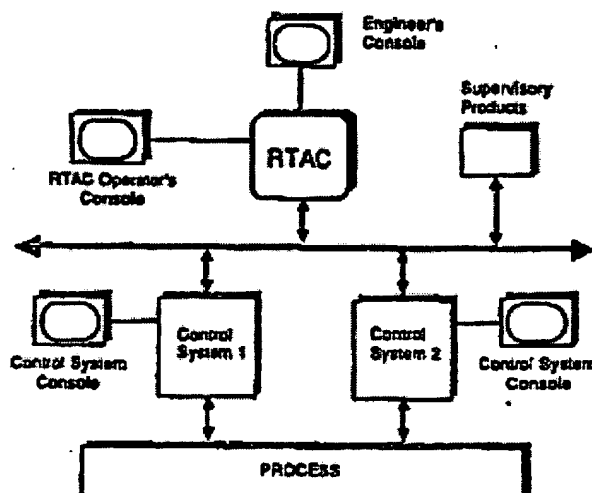
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**Abstract of CA2057039**

Digital processing methods and apparatus for monitoring, controlling, and simulating industrial processes operate on data signals representative of process parameter values and generate response values representative of desired or requested process parameter values. A knowledge base stores knowledge of the industrial process in the form of rules, and an inference engine applies the rules to calculate the response values. A time-stamp value is assigned to each data signal, representing the time of receipt of each signal. Currency evaluation elements, responsive to user-selected currency range values and the time-stamp signals, assign an expiration time value to the data signals and disregard data signals having an expiration-time value outside a corresponding user-selected currency range value.



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